| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------------|--------|---|--|---------------------|---------|------------------|
| S1 | 18273 | automatic adj gain adj control | US-PGPUB; USPAT | OR | OFF | 2005/06/21 09:46 |
| S2 | 30614 | gain adj amplifier\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 09:32 |
| S 3 | 9702 | DSL · | US-PGPUB; USPAT | OR | OFF | 2004/12/07 09:32 |
| S4 | 55 | S1 and S2 and S3 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 09:32 |
| S5 | 756 | (375/345).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB | OR | OFF | 2004/12/07 11:22 |
| S6 | 5022 | gain adj stage | US-PGPUB; USPAT | OR | OFF | 2004/12/07 11:23 |
| S7 | 8214 | gain adj set\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 11:25 |
| S8 | 21 | S1 and S2 and S5 and S6 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 14:24 |
| S9 | 71703 | iterat\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 14:25 |
| S10 | 247637 | reset | US-PGPUB; USPAT | OR | OFF | 2004/12/07 14:25 |
| S11 | 63 | S1 and S6 and S9 and S10 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 15:36 |
| S12 | 2 | S11 and S3 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 14:26 |
| S13 | 11 | S5 AND S3 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 16:15 |
| S14 | 432 | S5 and S1 | US-PGPUB; USPAT | OR | OFF | 2004/12/07 16:15 |
| S15 | 31 | S5 and S1 and S9 | US-PGPUB; USPAT | OR · | OFF | 2004/12/07 17:04 |
| S16 | 4 | S1 and S2 and S3 and S5 | US-PGPUB; USPAT | OR · | OFF | 2004/12/07 17:04 |
| S17 | 3 | ("4377946" "4827351" "5117201").PN. OR ("6480068").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:53 |
| S18 | 9760 | dsl | US-PGPUB; USPAT | OR _ | OFF | 2004/12/10 12:44 |
| S19 | 436609 | loop | US-PGPUB; USPAT | OR | OFF | 2004/12/10 12:44 |
| S20 | 3387 | S18 and S19 | US-PGPUB; USPAT | OR | OFF | 2004/12/10 12:45 |
| S21 | 9968 | loop adj type | US-PGPUB; USPAT | OR | OFF | 2004/12/10 12:45 |
| S22 | 16 | S20 and S21 | US-PGPUB; USPAT | OR | OFF | 2004/12/10 12:45 |

| S23 | 42911 | gain adj control | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:53 |
|-----|--------|--|------------------------------|----|-------|-------------------|
| S24 | 382170 | analog dj digital adj control\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:54 |
| S25 | 51142 | DSP or (digital adj signal adj processor) | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:55 |
| S26 | 33310 | agc | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:55 |
| S27 | 1152 | programmable adj gain adj amplifier\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:04° |
| S28 | 73 | S23 and S24 and S25 and S26 and S27 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:59 |
| S29 | 10546 | dsl . | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 15:59 |
| S30 | 9 | S28 and S29 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:01 |
| 531 | 65779 | AGC or (gain adj control\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:02 |
| S32 | 1531 · | analog near digital adj control\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:03 |
| S33 | 0 | S25 and S27 and S29 and S31 and S32 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:04 |
| 534 | 37829 | gain adj amplifier\$3 | US-PGPUB; USPAT; USOCR | OR | OFF . | 2004/12/10 16:04 |
| S35 | . 0 | S25 and S34 and S29 and S31 and S32 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:04 |
| S36 | 14 | S25 and S34 and S31 and S32 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:07 |
| S37 | 17371 | subscriber adj line | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:06 |
| S38 | 0 | S25 and S34 and S31 and S32 and S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/10 16:07 |
| S39 | 16513 | analog and front adj end | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:08 |
| S40 | 51505 | adc or (analog adj digital adj converter\$3) | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:09 |

| S41 | 50828 | DSP or (digital adj signal adj processor) | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:10 |
|-----|--------|---|---|----|-----|------------------|
| S42 | 39192 | PGA or (gain adj amplifier\$3) | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:10 |
| S43 | 347 | S39 and S40 and S41 and S42 | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:11 |
| 544 | 13072 | subscriber adj line | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:11 |
| S45 | 62 | S43 and S44 | US-PGPUB; USPAT | OR | OFF | 2004/12/10 16:11 |
| S46 | 3 | communication adj loop adj coupling | US-PGPUB; USPAT | OR | OFF | 2005/06/14 17:17 |
| S47 | 836 | loop adj coupling | US-PGPUB; USPAT | OR | OFF | 2004/12/10 17:18 |
| S48 | 9760 | DSL . | US-PGPUB; USPAT | OR | OFF | 2004/12/10 17:18 |
| S49 | 8 | S47 and S48 | US-PGPUB; USPAT | OR | OFF | 2004/12/10 17:18 |
| S50 | 208070 | programmable aj gain adj amplifier\$3 | US-PGPUB; USPAT | OR | OFF | 2004/12/13 09:25 |
| S51 | 56065 | select\$3 near2 order | US-PGPUB; USPAT | OR | OFF | 2004/12/13 09:26 |
| S52 | 613544 | initiat\$4 | US-PGPUB; USPAT | OR | OFF | 2004/12/13 09:26 |
| S53 | 31769 | iteration | US-PGPUB; USPAT | OR | OFF | 2004/12/13 09:27 |
| S54 | 372 | S50 and S51 and S52 and S53 | US-PGPUB; USPAT | OR | OFF | 2004/12/13 09:27 |
| S55 | 2 | "5036527".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/15 11:02 |
| S56 | 2 | "6058162".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:20 |
| S57 | 2 | "6002727".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:21 |
| S58 | 78451 | rake combiner | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:21 |

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|-----|------|--|---|------|------|------------------|
| S59 | 368 | rake adj combiner | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:23 |
| S60 | 47 | (rake adj combiner) and index | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:24 |
| S61 | 47 | (rake adj combiner) and index\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:26 |
| S62 | 179 | (rake same combiner) and index\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:26 |
| S63 | 109 | (rake adj receiver same combiner) and index\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/14 18:26 |
| S64 | 269 | (rake adj receiver and combiner) and index\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/06/14 18:26 |
| S65 | 64 | (rake adj receiver and combiner) and index\$4 and multiplexer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/06/14 18:27 |
| S66 | 4546 | (automatic adj gain adj control) and serial | US-PGPUB; USPAT | OR | OFF | 2005/06/15 10:34 |
| S67 | 280 | (automatic adj gain adj control) same serial | US-PGPUB; USPAT | OR | OFF | 2005/06/15 10:34 |
| S68 | 72 | (automatic adj gain adj control) with serial | US-PGPUB; USPAT | OR | OFF | 2005/06/15 10:35 |
| S69 | 117 | (automatic adj gain adj control) with serial\$4 | US-PGPUB; USPAT | OR | OFF | 2005/06/15 10:35 |
| S70 | 8 | ((automatic adj gain adj control) agc) with serial\$4 same adc | US-PGPUB; USPAT | OR | OFF | 2005/06/15 10:36 |
| S71 | 38 | ((automatic adj gain adj control) agc) with serial\$4 and adc | US-PGPUB; USPAT | OR · | OFF | 2005/06/15 11:22 |

| S72 | 38 | ((automatic adj gain adj control) agc) with serial\$4 and adc | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/15 14:32 |
|-----|----|---|---|----|------|------------------|
| S73 | 16 | ("4387297" "4409470" "4496831" "4760248" "4789995" "4989074" "5168148" "5276685" "5375145" "5408698" "5668505").PN. OR ("6073848"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/15 11:53 |
| S74 | 0 | ((automatic adj gain adj control) agc) with serial\$4 and adc and dsl | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/15 14:33 |
| S76 | 25 | (afe (analog adj front adj end)) with serially | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/15 14:36 |
| S77 | 2 | (afe (analog adj front adj end)) with serially with gain | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/06/15 14:36 |
| S78 | 3 | ("4377946" "4827351" "5117201").PN. OR ("6480068").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/15 17:25 |
| S79 | 1 | 2001-13786 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/15 17:25 |
| S80 | 4 | (plural\$4 with gain with stage) and (analog with front with end) and ((determin\$4 calculat\$4) with (peak max maximum exced\$4)) | US-PGPUB; USPAT | OR | OFF | 2005/06/17 12:19 |
| S81 | 35 | (plural\$4 with gain with stage) and ((automatic with gain with control\$4) agc) and ((determin\$4 calculat\$4) with (peak max maximum exced\$4)) | US-PGPUB; USPAT | OR | OFF | 2005/06/20 12:50 |
| S82 | 9 | (plural\$4 with gain with stage) and ((automatic with gain with control\$4) agc) and ((determin\$4 calculat\$4) with (peak max maximum exced\$4)) and serial\$4 | US-PGPUB; USPAT | OR | OFF | 2005/06/20 16:56 |
| S83 | 11 | ("4387297" "4409470" "4496831" "4760248" "4789995" "4989074" "5168148" "5276685" "5375145" "5408698" "5668505").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/20 13:39 |

| S84 | 8 | (plural\$4 with gain with stage) and ((automatic with gain with control\$4) agc) and serial\$4 and (increas\$4 with gain) and iterat\$4 | US-PGPUB; USPAT | OR | OFF | 2005/06/21 14:16 |
|-----|----|---|--------------------|------|-------|------------------|
| S85 | 20 | (automatic with gain with control) and (plural with stage) and ((low\$3 mimimum) with gain) and ((increment\$4 increas\$4) with gain) | US-PGPUB; USPAT | OR | OFF . | 2005/06/21 09:50 |
| S86 | 22 | (agc (automatic with gain with control)) and (plural with stage) and ((low\$3 mimimum) with gain) and ((increment\$4 increas\$4) with gain) | US-PGPUB; USPAT | OR . | OFF | 2005/06/21 09:51 |